GREE
Change for Life

Service Manual

Models: GWH09MA-K3DNA3L
GWH09MA-K3DNA4L
GWH09MA-K3DNB7L
GWH09MA-K3DND3L
GWH09MA-K3DNC9L
GWH09MA-K3DNB3L
GWH12MA-K3DNA3L
GWH12MA-K3DNB3L
GWH12MA-K3DNB7L
GWH12MA-K3DNC9L
GWH12MA-K3DND3L
(Refrigerant:R410A)

GREE ELECTRIC APPLIANCES,INC.OF ZHUHAI

Downloaded from www.Manualslib.com manuals search engine

Copyright

Acer and the Acer logo are registered trademarks and Aspire is a trademark of Acer Inc. and Acer America Corporation.

Microsoft Windows and the Windows Logo are registered trademarks of Microsoft Corporation. Intel and Pentium are registered trademarks of Intel Corp. All other brands/product names are trademarks or registered trademarks of their respective companies.

© 2003 by Acer Incorporated. All rights reserved.

First printing: 10 / 2003

Downloaded from www.Manualslib.com manuals search engine

معلومات من اجل الامان/تلميحات مفيدة

معلومات من اجل الامان

- افصل قابس الطاقة الكهربائية في الحالات التالية:
  - عندما يُومض الضوء الاحمر الموجود تحت شاشة التلفزيون بصورة مستمرة.
  - عندما يتم عرض خط ابيض ناصع عبر شاشة التلفزيون.
  - في حالة تنظيف شاشة التلفزيون. لا تستعمل مطلقا منظفات الحك. استعمل جلدة شمواة او قطعة قماش ناعمة ومرطبة قليلا لتنظيف شاشة التلفزيون.
  - في حالة وجود عواصف رعدية.
  - في حالة عدم استعمال التلفزيون لمدة زمنية طويلة.
- لا تضع مصادر مشتعلة، مثل الشموع المضيئة، على سطح التلفزيون او في الاماكن القريبة من التلفزيون.
- لا تضع التلفزيون تحت اشعة الشمس او الحرارة المباشرة.
- اترك مسافة ٥ سم على الاقل حول كل جانب من جوانب التلفزيون من اجل التهوية بصورة صحيحة.
- تجنّب وضع التلفزيون في مكان (مثلا قرب النافذة) يمكن ان يتعرض للمطر او رشق الماء.
- لا تضع اوعية ممتلئة بالسوائل على سطح التلفزيون وذلك لتجنّب تنقيط او رشق هذه السوائل على جهاز التلفزيون.

تلميحات مفيدة

- لا تترك التلفزيون على وضع الاستعداد للتشغيل لمدة زمنية طويلة. افصل قابس الطاقة الكهربائية حتى يمكن ازالة التمغنط. يكوّن التلفزيون، المُزال منه التمغنط، جودة صورة جيدة.
- لا تنقل او تحرّك التلفزيون عندما يكون في حالة تشغيل. في حالة نقل او تحريك التلفزيون عندما يكون في حالة تشغيل، فانه يمكن ان يحصل عدم تعادل للالوان في بعض اجزاء من الشاشة.
- لا تحاول اصلاح التلفزيون بنفسك. دائما استشر الاشخاص المختصين بالتصليح.

01-05/14-21PT2110/Ar 3 4/24/03, 22:27

Downloaded from www.Manualslib.com manuals search engine

PREPARING TO USE YOUR REFRIGERATOR

Unpacking Your Refrigerator

1. Remove all packaging material. This includes the foam base and all adhesive tape holding the refrigerator accessories inside and outside. Slide out and remove the plastic or foam guard used to protect the compressor from shipping damage due to vibration and shock.
2. Inspect and remove any remaining packaging, tape or printed materials before powering on the refrigerator.
3. Check to be sure you have all accessories and parts listed in the Parts and Features section.

Proper Air Circulation

To ensure that your refrigerator works at the maximum efficiency it was designed for, you should install it in a location where there is proper air circulation, plumbing and electrical connections.

The following are recommended clearances around the refrigerator:

Sides..... 3/4 inches (19mm)
Top..... 2 inches (50mm)
Back..... 2 inches (50mm)

Electrical Requirements

Make sure there is a suitable power outlet (115 volts, 15 amps) with proper grounding to power the refrigerator.

WARNING: NEVER cut off the third grounding prong in order to no effective grounding for the refrigerator and may result in serious accommodate a two prong outlet. This is a dangerous practice since it provides injury from electrical shock.

OPERATING YOUR REFRIGERATOR

Installation

Your refrigerator is designed for freestanding installation only. It should not be recessed or built-in. Place the refrigerator on a floor strong enough to support it fully loaded. When moving the refrigerator, never tilt it by more than a 45 degrees angle. This could damage the compressor and the sealed system.

If the refrigerator has been tilted more than 45 degrees, let it stand in an upright position for at least 24 hours prior to plugging it into the power source. This will allow the refrigerant to settle and reduce the possibility of a malfunction in the cooling system.

Plug the refrigerator into an exclusive, properly installed grounded wall outlet. Do not under any circumstances cut or remove the third (grounding) prong from the power cord. See the WARNING in Electrical Requirements on the previous page. Any questions concerning power and/or grounding should be directed toward a certified electrician or a Sears or other qualified service dealer.

After plugging the appliance into a wall outlet, allow the unit to cool down for 2-3 hours before placing food into the refrigerator.

Installation Limitations

Do not install your refrigerator in any location not properly insulated or heated, such as a garage, etc. Your refrigerator was not designed to operate in temperature settings below 55° Fahrenheit. Select a suitable location for the refrigerator on a hard even surface away from direct sunlight or heat sources such as radiators, baseboard heaters, cooking appliances, etc.

6/8/10

Downloaded from www.Manualslib.com manuals search engine

Step 4

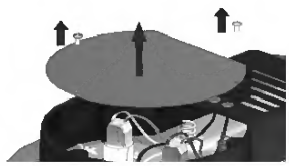
Plug the power cord into an electrical outlet. You may optionally have an electrician wire the air purifier to your HVAC unit so that the air purifier only operates when your HVAC fan is running. Once the unit is plugged in the indicator light should glow to indicate the AHPCO Cell is working properly.

AHPCO™ Cell Replacement

Step 1

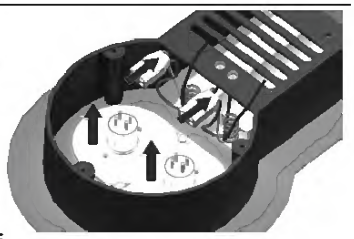
CAUTION: Before attempting to service the Air Oasis unit, be sure the power is off and unplugged.

Remove three (3) screws at the top of the aluminum face plate. Then slide the face plate up and off.



Step 2

Unplug the four pin lamp connectors and fiber optic cords from the AHPCO Cell.



Read all instructions carefully before operating your air purifier.

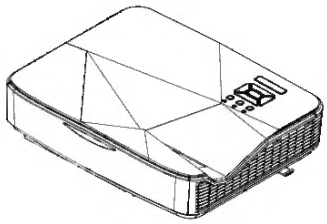
Table of Contents

Safety Instructions and Cautions	1
Table of Contents	2
Warranty	3
Maintenance and Customer Service	4
Placement and Operation	4
Cleaning	4
AHPCO™ Cell Replacement	5-6
Troubleshooting Guide	7

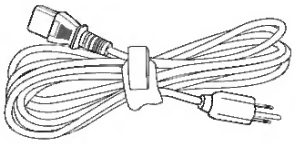
Downloaded from www.Manualslib.com manuals search engine

Package Overview

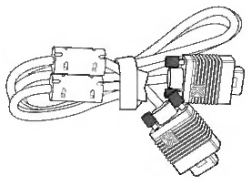
Unpack and inspect the box contents to ensure all parts listed below are in the box. If something is missing, please contact your nearest customer service center.



Projector



Power Cord



VGA Cable

NOTE

- Due to different applications in each country, some regions may have different accessories.

Documentation :

☑ User's Manual & Quick Start Guide

Downloaded from www.Manualslib.com manuals search engine

General operating instructions

Suitable ovenware

Ovenware material	Mode of operation		
	Defrosting	Heating	Cooking
Ovenproof glass and ceramic dishes (without any metal parts, e.g. Pyrex, Oven-to-tableware)	X	X	X
Non ovenproof glass and porcelain (e.g. table crockery)[1]	X	-	-
Glass ceramic and vitro-ceramic made of fire/frost proof material (e.g. Arcoflam)	X	X	X
Ovenproof earthenware [2]	X	X	X
Plastic, heat-resistant up to 200 °C [3]	X	X	X
Paper, cardboard	X	-	-
Cling film	X	-	-
Microwave cling film [3]	X	X	X
Black-lacquered or silicone-coated baking tins	-	-	-

X suitable - non suitable

[1]) excluding silver, gold, platinum or metal decoration

[2]) does not include glaze containing metal

[3]) please note the maximum temperature stated by the manufacturer

What else to note...

- Food comes in all shapes, sizes and textures. The quantities also vary. For these reasons the time and amount of energy needed to defrost, heat or cook will also vary. As a general rule :

Double the quantity = nearly* double the time

* Please refer to the cooking charts. To be on the safe side, always select the shorter cooking time. Then extend the time as necessary.

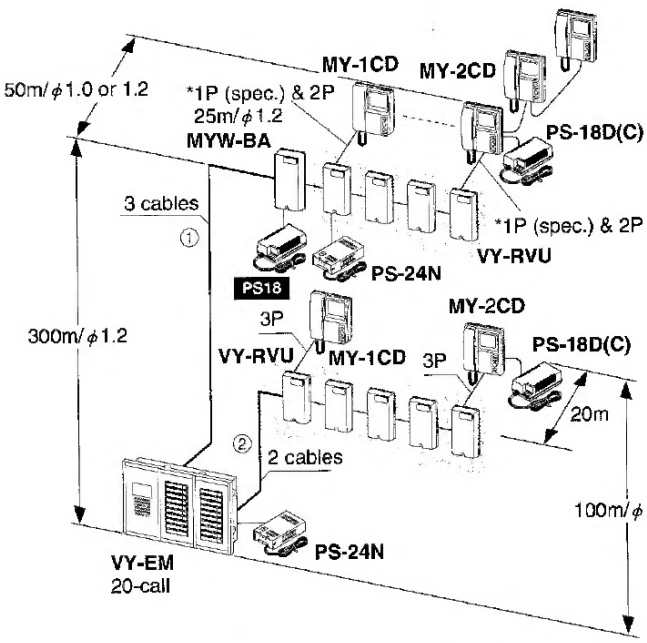
- Microwaves work by making the food heat itself up. Because of this, not all areas of the food will be heated at the same time. When heating larger quantities of food, it is particularly important to stir or turn them over.

- "**Standing time**" is referred to in the cooking charts. This is the time you should leave the food to stand without power (either inside or outside the appliance). This ensures even distribution of heat throughout the food.

Downloaded from www.Manualslib.com manuals search engine

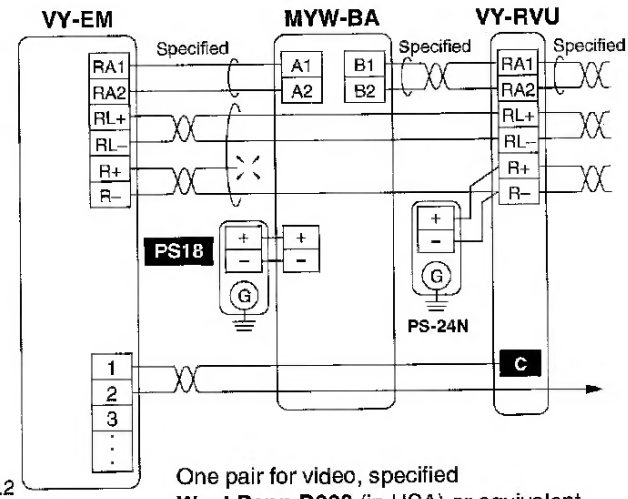
■ VY-EM more than 100m (330') application

When VY-EM has distant installation of a VY-RVU area more than 100 ~ 300m (330' ~ 980') away, use an MYW-BA and a specified 1-pair video cable out of 3-pair trunk. A PS-24N is additionally required for the VY-RVU's.



① *1P(specified)
2P(audio, trunk)
5P(indiv. call)
separate

② 3P(trunk)
5P(indiv. call)



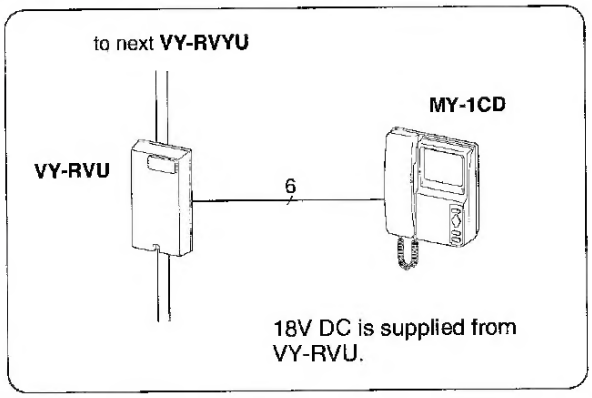
One pair for video, specified
West Penn D990 (in USA) or equivalent

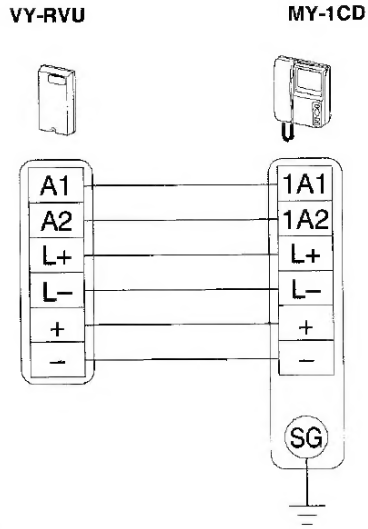
- **Impedance: 90ohm**
- **Permitted closed loop DC resistance: 9.9 ohm or less**
- **Non-PVC insulation**

plus 2 pairs (R+ unconnected), separarately sheathed.

PS-18 : PS-18YC or PS-18C.
PS-18YD or PS-18D

■ Residential monitor MY-1CD





* Run 6-conductor cable, twisted or non-twisted to MY-1CD.
* Take SG terminal to earth, which may help to eliminate noise from +, – lines.

■ Wiring distance

* VY-RVU ~ Residential monitor

Diameter	1.0mm	1.2mm
Distance	20m	25m
AWG	18AWG	16AWG
Distance	65'	80'

★ The distance is doubled with reinforced wires on +, –.

Downloaded from www.Manualslib.com manuals search engine

Technical Specifications

Product Description

The HP 98628A and 98691A are microprocessor-based (Zilog Z-80A or equivalent) data communications interfaces that fit the I/O backplane of HP Series 200 computers. The interface includes on-board read-write (RAM) memory for buffering and other needs. The microprocessor performs protocol management and other data communication functions, freeing the mainframe processor for other tasks. Protocol(s) supported by the interface depend on what programs are stored in the Program ROM that is plugged into the socket on the interface card.

Physical Description

Size: 135 mm by 170 mm (5.3 in by 6.6 in)
Weight: 310 grams (11 ounces)

Environmental Range

Temperature: 0°C to 45°C (32 to 113°F)
Humidity: 0 to 80% non-condensing

Electrical Specifications

98628A power consumption (typical)

+5 V @ 710 mA
+12 V @ 37 mA
−12 V @ 60 mA

The following adapters also obtain power through the HP 98628 interface. Their consumption should be added to the interface power consumption when they are used. Typical values are shown.

HP 13264A Data Link Adapter:

+5 V @ 30 mA
+12 V @ 160 mA
−12 V @ 23 mA

HP 13265A Modem:

+5 V @ 100 mA
+12 V @ 45 mA
−12 V @ 45 mA

HP 13266A Current Loop Adapter:

+5 V @ 200 mA
+12 V @ 90 mA
−12 V @ 80 mA

Electrical Interface Compatibility (with appropriate cables)

RS-232C (similar to CCITT V.24/V.28)
RS-449/RS-423 (similar to CCITT V.10)
RS-449/RS-422 (similar to CCITT V.11)[1]

1 RS-422 cables for this interface are not available from Hewlett-Packard Company

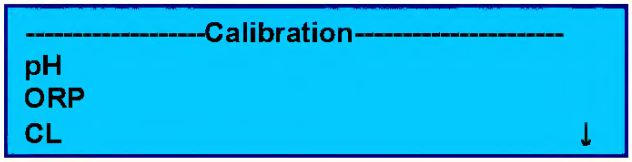
External Controls:	Switch	• Auto Adjust Key • </Volume • >/ Volume • Power Button • MENU/ Exit	• Auto Adjust Key • </Volume • >/ Volume • Power Button • MENU/ Exit
	Functions	• Contrast • Brightness • Focus • Clock • H-Position • V-Position • Input Selected • Language • (Warm) Color • (Cool)Color • RGB Color temperature • Reset • OSD timeout • information • Exit	• Contrast • Brightness • Focus • Clock • H-Position • V-Position • Input Selected • Language • (Warm) Color • (Cool)Color • RGB Color temperature • Reset • OSD timeout • information • Exit
Power Consumption (Maximum)		60	60 Watts
Audio Output		Rated Power 2.5W rms (Per channel)	Rated Power 2.5W rms (Per channel)
Regulatory Compliance		CSA, TÜV/GS, CE, TCO'99, UL	CSA, TÜV/GS, CE, TCO'99, UL

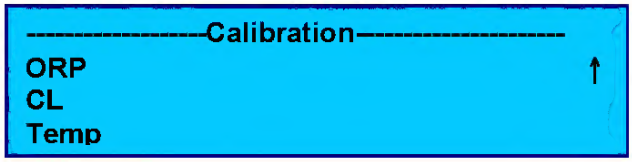
Downloaded from www.Manualslib.com manuals search engine

3.3 CALIBRATING THE OPERATING PARAMETERS

Note: Any unavailable chemical measurements will not be displayed.

Calibration can be carried out using the menus shown on the display. Hold down the **CAL** key for 3 seconds to access the Calibration menu.



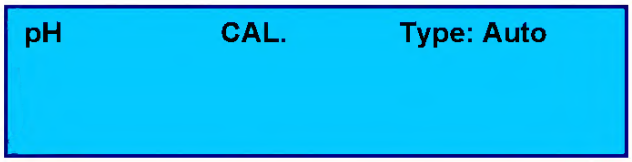


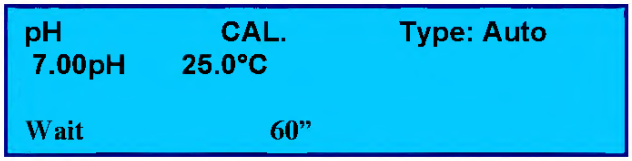
Use the **Up** and **Down** keys to select the probe to be calibrated and press **ENTER**.

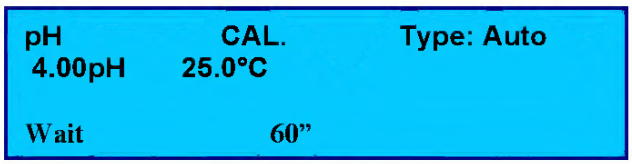
3.3.1 PH PROBE CALIBRATION

Connect the pH probe to the instrument as indicated in the electrical connections.
Select the pH probe from the Calibration menu.
Select whether to perform the calibration in Automatic (**AUTO**) or Manual (**MAN**) mode.

AUTO







In Automatic (**AUTO**) mode:

- Immerse the probe in the 7 pH solution and press **Enter**
- Wait 60 seconds. When finished, the instrument will display the probe's quality as a percentage value.
- Immerse the probe in the 4 pH or 9.22 pH solution and press **Enter**
- Wait 60 seconds. When finished, the instrument will display the probe's quality as a percentage value.
- Once the operation has concluded, a message will appear indicating that the calibration has been carried out successfully.

At the end of each calibration point, the instrument will display the quality of the electrode as a percentage.

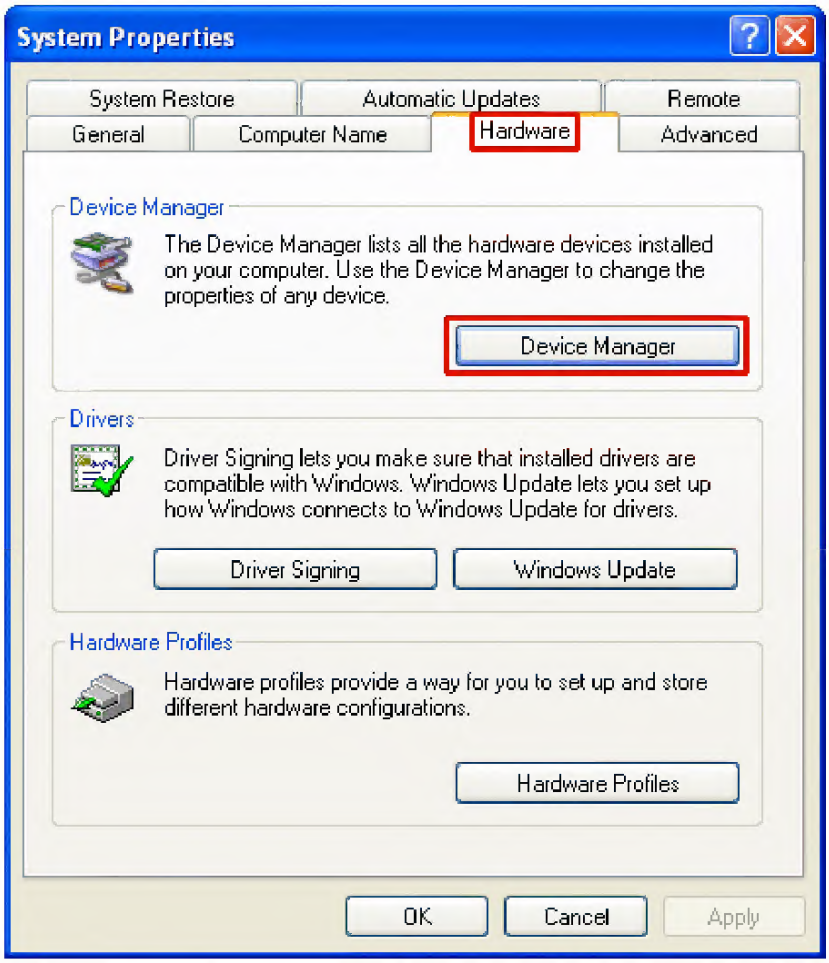
Downloaded from www.Manualslib.com manuals search engine

2.2 Verify Driver Installation

To verify if the driver has been installed successfully, please perform the following steps.

Step 1 Right-click on **My Computer** from your desktop and select **Properties**.

Step 2 If you are using Windows XP/2000 select the **Hardware tab**, then click on **Device Manager**.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply

If you are using **Windows Vista**, click on the device manager link on the left side of the screen.

Downloaded from www.Manualslib.com manuals search engine